

## INTERNATIONAL SEARCH REPORT

 International application No.  
 PCT/US09/16194

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 25/72

US CL : 250/341.6

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 250/341.6, 330, 340, 341.1, 349, 342, 358.1, 559.04, 362, 216; 246/169A, 169D; 315/112; 358/601

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO WEST 2.0; SEARCH TERMS: snapshot, imager, detector, sensor, inspection, thermal infrared imager, processor, control electronics, automated conveyance, cooling, heater.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category*           | Citation of document, with indication, where appropriate, of the relevant passages                            | Relevant to claim No.  |
|---------------------|---|--|
| X,P<br>-----<br>Y,P | US 6,346,704 B2 (KENWAY) 12 February 2002 (12.02.2002), cols. 9, Fig. 1.                                      | 1,3,8,9,21-23,26-30,32-34,36-38<br>-----<br>2, 4 - 7, 10 - 20,24,25,31,35,39 |
| Y,P                 | US 6,353,197 B1 (ULRICHSEN et al.) 05 March 2002 (05.03.2002), col. 10, lines 61-68, cols. 11-16, Figs. 3, 5. | 2, 11, 12, 24, 25, 31  |
| Y                   | US 5,936,353 A (TRINER et al.) 10 August 1999 (10.08.1999), cols. 3-6.  | 4-7, 35, 39  |
| Y                   | US 3,748,137 A (WORTH et al.) 24 July 1973 (24.07.1973), col. 2, lines 5-13.                                  | 10, 13, 16-20  |

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

|   |  |
|---|--|
| * Special categories of cited documents:  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| "E" earlier document published on or after the international filing date  | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "A" document member of the same patent family  |
| "O" document referring to an oral disclosure, use, exhibition or other means  |  |
| "P" document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search

27 AUGUST 2002

Date of mailing of the international search report

06 SEP 2002

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US02/16194

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages      | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | US 6,137,116 A (AMIR et al.) 24 October 2000 (24.10.2000), col. 5, lines 25-34.         | 14, 15                |
| A         | US 4,866,276 A (LEAVENS et al.) 12 September 1989 (12.09.1989), see entire document.    | 1-39                  |
| A         | US 5,631,465 A (SHEPARD) 20 May 1997 (20.05.1997), see entire document.                 | 1-39                  |
| A         | US 5,711,603 A (RINGERMACHER et al.) 27 January 1998 (27.01.1998), see entire document. | 1-39                  |
| A         | US 5,677,533 A (YAKTINE et al.) 14 October 1997 (14.10.1997), see entire document.      | 1-39                  |
| A         | US 6,013,915 A (WATKINS) 11 January 2000 (11.01.2000), see entire document.             | 1-39                  |